

[illegible]

EXE

Mod

ED 1

ED

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ED1

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ED
EDED
EDSYS
LIB

L18

```
CCCCCCCC HH HH MM MM MM MM EEEEEEEEE SSSSSSSS SSSSSSSS
CCCCCCCC HH HH MM MM MM MM EEEEEEEEE SSSSSSSS SSSSSSSS
CC CC HH HH MMMM MMMM MMMM MMMM EE SSS SSS
CC CC HH HH MMMM MMMM MMMM MMMM EE SS SS
CC CC HH HH MM MM MM MM MM EE SS SS
CC CC HH HH MM MM MM MM MM EE SS SS
CC CC HHHHHHHHHH MM MM MM MM EEEEEEE SSSSSS SSSSSS
CC CC HHHHHHHHHH MM MM MM MM EEEEEEE SSSSSS SSSSSS
CC CC HH HH MM MM MM MM MM EE SS SS
CC CC HH HH MM MM MM MM MM EE SS SS
CC CC HH HH MM MM MM MM MM EE SS SS
CCCCCCCC HH HH MM MM MM MM EEEEEEEEE SSSSSSSS SSSSSSSS
CCCCCCCC HH HH MM MM MM MM EEEEEEEEE SSSSSSSS SSSSSSSS
```

```
LL LLLLLLLLLL IIIIII SSSSSSSS
LL LLLLLLLLLL IIIIII SSSSSSSS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL II SSSSSS
LL LLLLLLLLLL II SSSSSS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL II SS
LL LLLLLLLLLL IIIIII SSSSSSSS
LL LLLLLLLLLL IIIIII SSSSSSSS
```

.....


```
0001 0 %TITLE 'EDT$CHMMESS - output a message'
0002 0 MODULE EDT$CHMMESS (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module outputs a message on the last line of the terminal.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 04-Feb-1981. This module was created by
0045 1 extracting the routine EDT$$OUT_MSG from module CHANGE.BLI.
0046 1 1-002 - Regularize headers. JBS 03-Mar-1981
0047 1 1-003 - Make this routine general for messages or strings. SMB 30-Jun-1982
0048 1 1-004 - Remove setting to TI_WRSTR in case HCPY change mode. SMB 02-Jul-1982
0049 1 1-005 - Set EDT$$G_LASTMSG. JBS 05-Jul-1982
0050 1 1-006 - Call EDT$$FMT_STR instead of EDT$$FMT_LIT, so EDT$$G_PRV_COL will be
0051 1 kept up to date. JBS 05-Oct-1982
0052 1 1-007 - Don't clear EDT$$G_SCR_CHGD. JBS 09-Oct-1982
0053 1 1-008 - Bypass most of the fancy stuff if we are in hardcopy change mode. JBS 16-Nov-1982
0054 1 1-009 - Check for terminal type unkown also. SMB 03-Dec-1982
0055 1 1-010 - Treat message number 0 as meaning no message. JBS 01-Apr-1983
0056 1
0057 1
```

EDT\$CHMMESS
V04-000

EDT\$CHMMESS - output a message
Declarations

1 2
16-Sep-1984 00:04:03
14-Sep-1984 12:22:38

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]CHMMESS.BLI;1 Page 2 (2)

```
: 59      0058 1 %SBTTL 'Declarations'
: 60      0059 1
: 61      0060 1 TABLE OF CONTENTS:
: 62      0061 1
: 63      0062 1
: 64      0063 1 REQUIRE 'EDT$SRC:TRAROUNAM';
: 65      0502 1
: 66      0503 1 FORWARD ROUTINE
: 67      0504 1 EDT$OUT_MSG : NOVALUE;
: 68      0505 1
: 69      0506 1
: 70      0507 1 INCLUDE FILES:
: 71      0508 1
: 72      0509 1
: 73      0510 1 REQUIRE 'EDT$SRC:EDTREQ';
: 74      0645 1
: 75      0646 1
: 76      0647 1 MACROS:
: 77      0648 1
: 78      0649 1 NONE
: 79      0650 1
: 80      0651 1 EQUATED SYMBOLS:
: 81      0652 1
: 82      0653 1 NONE
: 83      0654 1
: 84      0655 1 OWN STORAGE:
: 85      0656 1
: 86      0657 1 NONE
: 87      0658 1
: 88      0659 1 EXTERNAL REFERENCES:
: 89      0660 1
: 90      0661 1 In the routine
```

! Output a message on the last line of the terminal


```

: 92      0662 1 %SBTTL 'EDT$$OUT_MSG - output a message'
: 93      0663 1
: 94      0664 1 GLOBAL ROUTINE EDT$$OUT_MSG (
: 95      0665 1     POS,
: 96      0666 1     MESS,
: 97      0667 1     ADDR,
: 98      0668 1     LEN
: 99      0669 1     ) : NOVALUE =
100      0670 1
101      0671 1 !++
102      0672 1 FUNCTIONAL DESCRIPTION:
103      0673 1
104      0674 1     This routine outputs a message on the last line of the terminal.
105      0675 1     The input parameters are the line position for the message,
106      0676 1     the message number (if it is a message), or the message string and
107      0677 1     its length if no message number is present.
108      0678 1
109      0679 1 FORMAL PARAMETERS:
110      0680 1
111      0681 1     POS           The line number on which to print message
112      0682 1
113      0683 1     MESS          The number of the message to output
114      0684 1
115      0685 1     ADDR          The address of a string message
116      0686 1
117      0687 1     LEN           The length of the string message
118      0688 1
119      0689 1 IMPLICIT INPUTS:
120      0690 1
121      0691 1     EDT$$A_FMT_WRRUT
122      0692 1     EDT$$G_MESSAGE_LINE
123      0693 1     EDT$$G_TI_TYP
124      0694 1
125      0695 1 IMPLICIT OUTPUTS:
126      0696 1
127      0697 1     EDT$$G_PRV_COL
128      0698 1     EDT$$G_TIN-ECHOPOS
129      0699 1     EDT$$G_MSGFLG
130      0700 1     EDT$$G_LASTMSG
131      0701 1
132      0702 1 ROUTINE VALUE:
133      0703 1
134      0704 1     NONE
135      0705 1
136      0706 1 SIDE EFFECTS:
137      0707 1
138      0708 1     NONE
139      0709 1
140      0710 1 !--
141      0711 1
142      0712 2 BEGIN
143      0713 2
144      0714 2 EXTERNAL ROUTINE
145      0715 2     EDT$$STOP_WKINGMSG,
146      0716 2     EDT$$FMT_STR,
147      0717 2     EDT$$OUT_FMTBUF,
148      0718 2     EDT$$SC_POSCSIF,

! Output a message
! Line number for this message
! The message number to output
! Address of a string
! Length of a string

! Stop the working message
! Put a string in format buffer
! Output the format buffer
! Put cursor position in format buffer
```

EDT\$CHMMESS
V04-000

EDT\$CHMMESS - output a message
EDT\$OUT_MSG - output a message

K 2
16-Sep-1984 00:04:03
14-Sep-1984 12:22:38

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]CHMMESS.BLI;1 Page 4
(3)

```

149 0719 2      EDT$SSC_ERATOEOI,      ! Erase to end of line
150 0720 2      EDT$SSC_REVID,         ! Start reverse video
151 0721 2      EDT$MSG_TOSTR;         ! Get message text
152 0722 2
153 0723 2      EXTERNAL
154 0724 2      EDT$G_MESSAGE_LINE,     ! Message line
155 0725 2      EDT$G_TIN_ECHOPOS,      ! Column to start message echo
156 0726 2      EDT$G_MSGFLG,          ! 1 = erase the message line on the next keystroke
157 0727 2      EDT$G_PRV_COL,          ! Previous column number.
158 0728 2      EDT$G_LASTMSG,          ! The last message printed
159 0729 2      EDT$G_TI_TYP;           ! The type of the terminals
160 0730 2
161 0731 2      EDT$STOP_WKINGMSG ();
162 0732 2
163 0733 2      !+ If the message is being printed on the last line, then we want it to
164 0734 2      ! stay there until the user hits a key, but we don't want to issue the
165 0735 2      ! PRTC message.
166 0736 2      !-
167 0737 2
168 0738 2      IF (.POS EQL .EDT$G_MESSAGE_LINE + 1)
169 0739 2      THEN
170 0740 2          BEGIN
171 0741 2          EDT$G_TIN_ECHOPOS = 0;
172 0742 2          EDT$G_MSGFLG = 1;
173 0743 2          END;
174 0744 2
175 0745 2      !+
176 0746 2      ! Don't do anything fancy if this is a hard copy terminal.
177 0747 2      !-
178 0748 2
179 0749 2      IF (.EDT$G_TI_TYP NEQ TERM_HCPY) AND (.EDT$G_TI_TYP NEQ TERM_UNKNOWN)
180 0750 2      THEN
181 0751 2          BEGIN
182 0752 2      !+
183 0753 2      ! Force the cursor to the indicated line and column
184 0754 2      !-
185 0755 2          EDT$SSC_POSCSIF (.POS, .EDT$G_TIN_ECHOPOS);
186 0756 2      !+
187 0757 2      ! Erase the line.
188 0758 2      !-
189 0759 2          EDT$SSC_ERATOEOI ();
190 0760 2      !+
191 0761 2      ! Turn reverse video on.
192 0762 2      !-
193 0763 2          EDT$SSC_REVID ();
194 0764 2          END;
195 0765 2
196 0766 2      !+
197 0767 2      ! Get the message.
198 0768 2      !-
199 0769 2
200 0770 2      IF (.LEN NEQ 0)
201 0771 2      THEN
202 0772 2          BEGIN
203 0773 2          EDT$FMT_STR (.ADDR, .LEN);
204 0774 2          EDT$G_LASTMSG = 1;
205 0775 2          END
```


EDT\$CHMMESS
V04-000

EDT\$CHMMESS - output a message
EDT\$\$OUT_MSG - output a message

L 2
16-Sep-1984 00:04:03
14-Sep-1984 12:22:38

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]CHMMESS.BLI;1 Page 5
(3)

**F

```
: 206      0776 2      ELSE
: 207      0777 2
: 208      0778 2      IF (.MESS NEQ 0)
: 209      0779 2      THEN
: 210      0780 2      BEGIN
: 211      0781 2      EDT$$MSG_TOSTR (.MESS);
: 212      0782 2      EDT$$G_LASTMSG = .MESS;
: 213      0783 2      END;
: 214      0784 2
: 215      0785 2      !+
: 216      0786 2      !- Write out the buffer.
: 217      0787 2
: 218      0788 2      EDT$$OUT_FMTBUF ();
: 219      0789 1      END;
```

! of routine EDT\$\$OUT_MSG

.TITLE EDT\$CHMMESS EDT\$CHMMESS - output a message
.IDENT \V04-000\

.EXTRN EDT\$\$STOP WKINGMSG
.EXTRN EDT\$\$FMT_STR, EDT\$\$OUT_FMTBUF
.EXTRN EDT\$\$SC_POSCSIF
.EXTRN EDT\$\$SC_ERATOEOOL
.EXTRN EDT\$\$SC_REVID, EDT\$\$MSG_TOSTR
.EXTRN EDT\$\$G_MESSAGE_LINE
.EXTRN EDT\$\$G_TIN_ECHOPOS
.EXTRN EDT\$\$G_MSGFLG, EDT\$\$G_PRV_COL
.EXTRN EDT\$\$G_LASTMSG, EDT\$\$G_TI_TYP

.PSECT _EDT\$CODE,NOWRT, SHR, PIC,2

			001C 00000	.ENTRY	EDT\$\$OUT_MSG, Save R2,R3,R4	: 0664
		54 00000000G	00 9E 00002	MOVAB	EDT\$\$G_LASTMSG, R4	
		53 00000000G	00 9E 00009	MOVAB	EDT\$\$G_TIN_ECHOPOS, R3	
	00000000G	00	00 FB 00010	CALLS	#0, EDT\$\$STOP WKINGMSG	: 0731
50 00000000G	00	01 C1 00017	ADDL3	#1, EDT\$\$G_MESSAGE_LINE, R0		: 0738
	50	04 AC D1 0001F	CMPL	POS, R0		
		09 12 00023	BNEQ	1\$		
		63 D4 00025	CLRL	EDT\$\$G_TIN_ECHOPOS		: 0741
	00000000G	00	01 D0 00027	MOVL	#1, EDT\$\$G_MSGFLG	: 0742
	50 00000000G	00	D0 0002E 1\$:	MOVL	EDT\$\$G_TI_TYP, R0	: 0749
	03	50 D1 00035	CMPL	R0, #3		
		1E 13 00038	BEQL	2\$		
		50 D5 0003A	TSTL	R0		
		1A 13 0003C	BEQL	2\$		
		63 DD 0003E	PUSHL	EDT\$\$G_TIN_ECHOPOS		: 0755
		04 AC DD 00040	PUSHL	POS		
	00000000G	00	02 FB 00043	CALLS	#2, EDT\$\$SC_POSCSIF	: 0759
	00000000G	00	00 FB 0004A	CALLS	#0, EDT\$\$SC_ERATOEOOL	: 0763
	00000000G	00	00 FB 00051	CALLS	#0, EDT\$\$SC_REVID	: 0770
		10 AC D5 00058 2\$:	TSTL	LEN		
		10 13 0005B	BEQL	3\$		
	0000J000G	7E 0C	AC 7D 0005D	MOVQ	ADDR, -(SP)	: 0773
	00	02 FB 00061	CALLS	#2, EDT\$\$FMT_STR		
	64	01 D0 00068	MOVL	#1, EDT\$\$G_LASTMSG		: 0774
		12 11 0006B	BRB	4\$: 0770
	52	08 AC D0 0006D 3\$:	MOVL	MESS, R2		: 0778

EDT\$CHMMESS
V04-000

EDT\$CHMMESS - output a message
EDT\$\$OUT_MSG - output a message

M 2
16-Sep-1984 00:04:03
14-Sep-1984 12:22:38

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]CHMMESS.BLI;1 Page 6 (3)

00000000G	00	0C	13	00071	BEQL	4\$:	
		52	DD	00073	PUSHL	R2		:	0781
		01	FB	00075	CALLS	#1,	EDT\$\$MSG_TOSTR	:	
		52	D0	0007C	MOVL	R2,	EDT\$\$G_LASTMSG	:	0782
00000000G	00	00	FB	0007F	CALLS	#0,	EDT\$\$OOT_FMTBUF	:	0788
		04	00086	4\$:	RET			:	0789

; Routine Size: 135 bytes, Routine Base: _EDT\$CODE + 0000

: 220 0790 1
: 221 0791 1 !<BLF/PAGE>

EDT\$CHMMESS
V04-000

EDT\$CHMMESS - output a message
EDT\$\$OUT_MSG - output a message

N 2
16-Sep-1984 00:04:03
14-Sep-1984 12:22:38

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]CHMMESS.BLI;1 Page 7 (4)

: 223 0792 1 END
: 224 0793 1
: 225 0794 0 ELUDOM

! of module EDT\$CHMMES

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	135	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	2	0	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:CHMMESS/OBJ=OBJ\$:CHMMESS MSRC\$:CHMMESS.BLI/UPDATE=(ENH\$:CHMMESS)

: Size: 135 code + 0 data bytes
: Run Time: 00:11.9
: Elapsed Time: 00:15.0
: Lines/CPU Min: 4006
: Lexemes/CPU-Min: 10289
: Memory Used: 72 pages
: Compilation Complete

0132 AH-BT13A-SE
VAX/VMS V4.0

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CHMONSTR LIS	CHMREPOS LIS	CHMSEDEL LIS	CHMTADJ LIS	CLRKEY LIS
CHMMESS LIS	CHMPASTE LIS	CHMSAVTXT LIS	CHMNEWLEN LIS	CHMPARSE LIS
CHMSAVIN LIS	CHMSUBS LIS			